

October 25, 2004





Formation of Subgroups

- Formation of the following sub-groups
 - Interface Architecture
 - Information Architecture
 - System Architecture
 - Security and Access Control
 - Software Development Best Practices and Standards
 - ID Management
 - Workflow





Key Decisions to date

- XML will be used as the primary data exchange format with allowances for binary format that do not need XML
- XML will be the standard data and metadata exchange format
 - Some metadata would be treated as data
- XML schemas should be used to model structure of XML
- A Common Query Language for data and metadata is required
 - This Query Language should be expressible in XML
- Agreed on need for a solution to universal stable identifier for data objects
 - Exploring LSID; OID; Etc.
- Decided on using Globus Toolkit Version 3.2
- Decided on using OGSA-DAI Version 4.0
- Use Enterprise Architect for UML Modeling





Key Decisions to date

- Mentoring Team Members Assignment per Developer Project
- Role of Mentoring Team Member
 - Guide the Development Projects from the Domain Workspaces towards Silver Level Compliance
 - Guide with overall Architectural Best Practices
 - System Architecture
 - Interface Architecture
 - Information Architecture
 - Development Methodologies





caGRID - Phase I

- Activities to Date
 - Requirements analysis for caCORE virtualization
 - First iteration use cases for
 - Advertisement
 - Discovery
 - Query
 - Object Mapping
 - Semantic Mapping
 - Evaluation of candidate technologies
 - Implementation of caGRID prototype
 - Web presentation/demonstration to caBIG Architecture Workspace
 - caGRID white paper released





caGRID Team Mission

"Define the caBIG system architecture that satisfies the requirements of the caBIG Community"





Project Team

- caBIG Architecture Workspace
- caBIG VCDE Workspace
- William Sanchez (SAIC)
- ► Tara Akhavan (SAIC)
- Steve Lagou (Panther Informatics)
- ► Tahsin Kurc (osu)
- Scott Oster (OSU)
- ▶ Shannon Hastings (OSU)
- Steve Langella (OSU)
- Manav Kher (SAIC)
- Joshua Phillips (SAIC)
- Arumani Manisundaram (BAH)
- Michael Keller (BAH)





Proposed High-Level – Time Line

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Requirements Analysis									
System Architecture									
Reference Implementation									
Technology Evaluation									





Informatics Grid

Requirements Analysis

- Define high-level requirements (collaboration/grid) for each workspace
 - Identify actors (data sources, applications, external entities like the FDA)
 - Identify significant use cases, mainly collaboration, use cases
- Create a caBIG use case model
 - Identify the common use cases among workspaces
 - Identify common actors
 - Detail common use cases
- Determine supplementary requirements
 - Identify supplementary requirements like security, performance, open source, etc.
- Perform a unified use case analysis





Road to Gold





